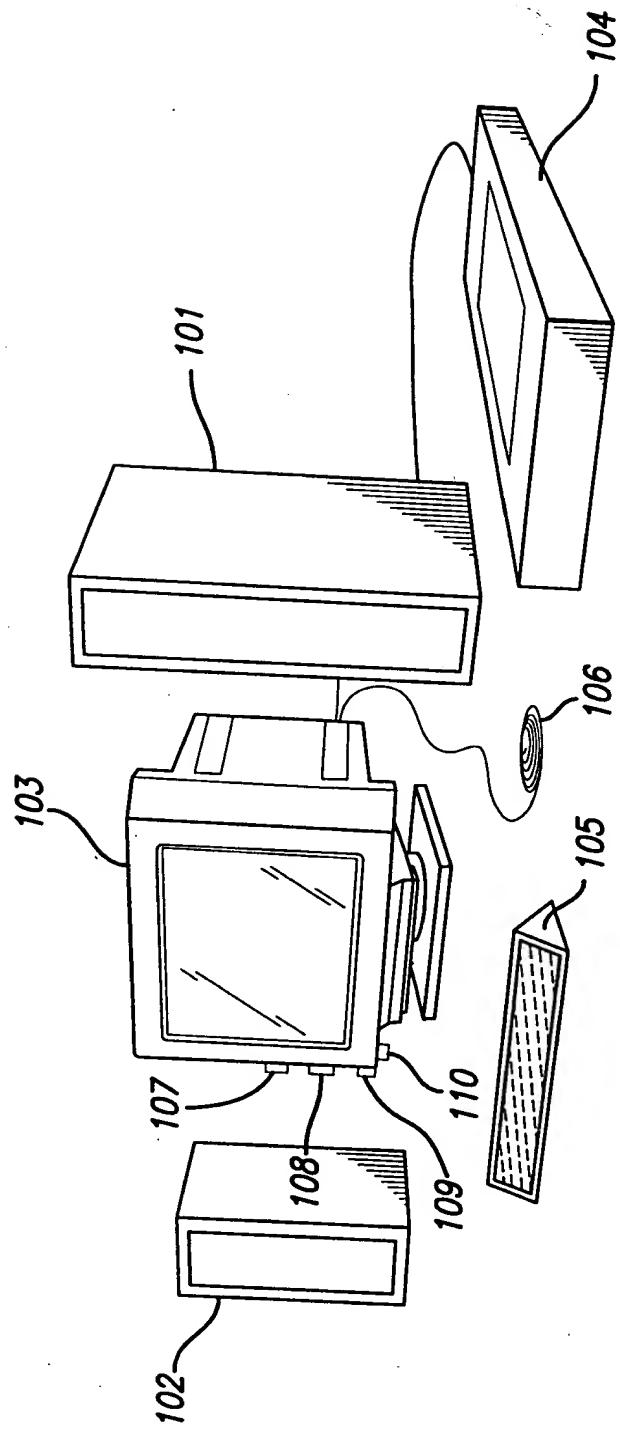


FIG. 1



S#

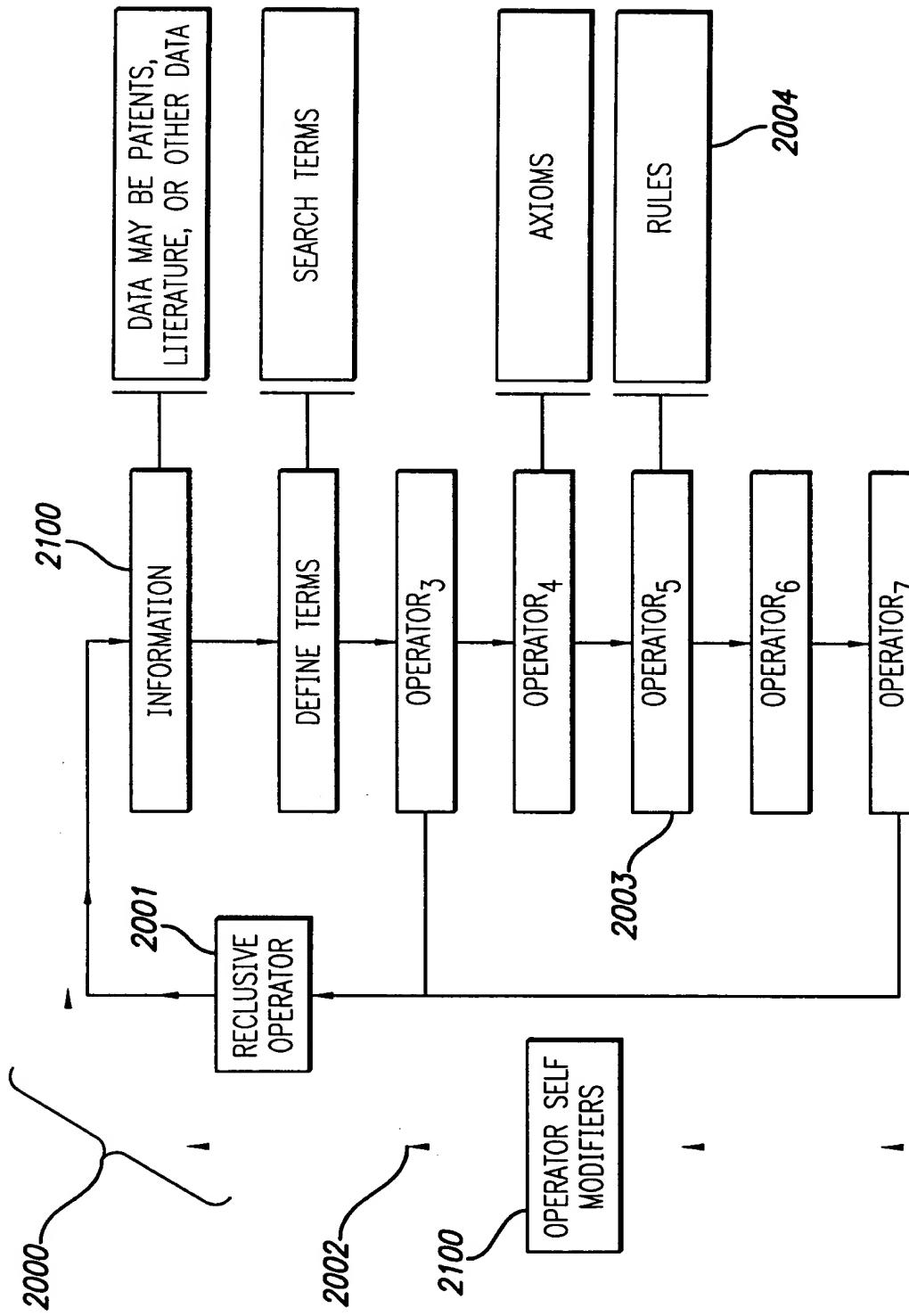
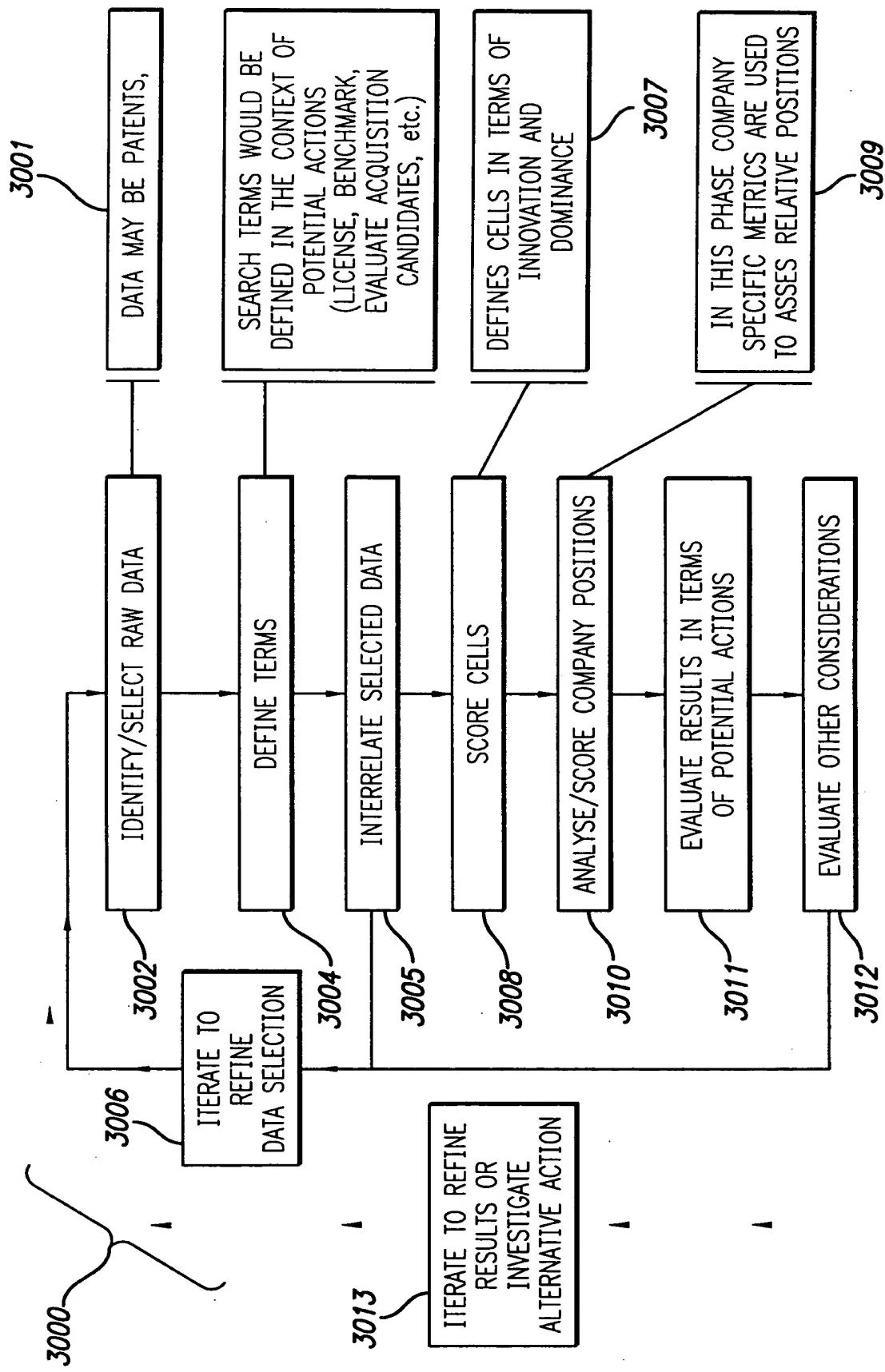


FIG. 2

FIG. 3



FOTTSO "GIGANTIC

AN EXAMPLE OF SOURCE DATA
INFRARED TECHNOLOGY

FIG. 4

4081

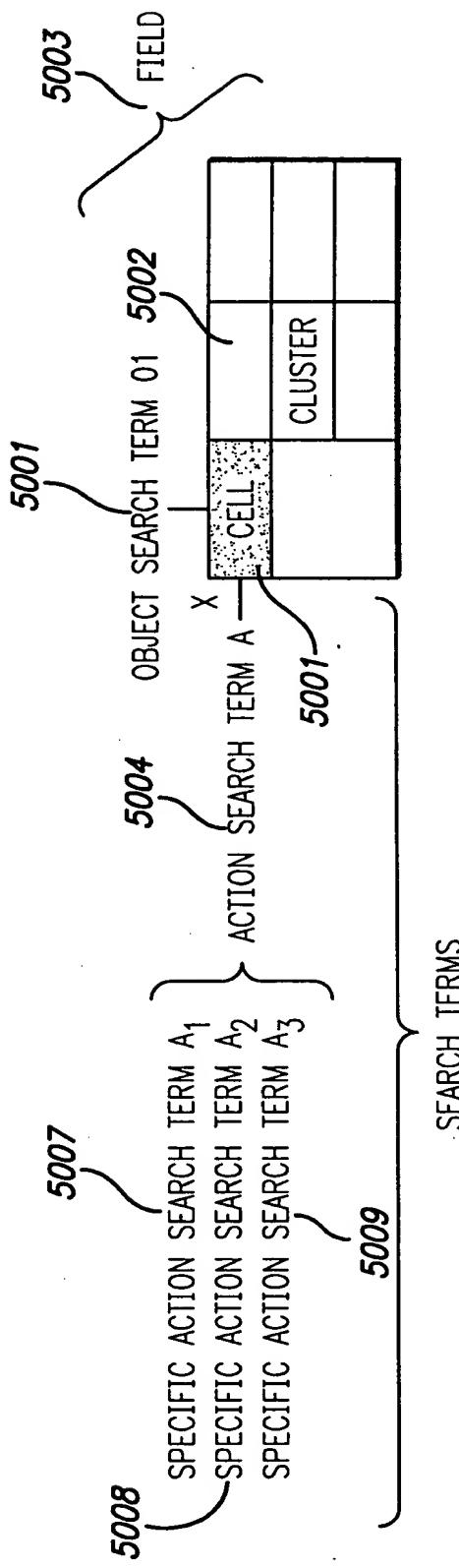
OBJECTS 4001

4005	01	02	03	04	05	06
4006	4003	2969	5004	4060	DIGITAL IMAGE	4063
4007	4008	1681	12	4004	1	4061
4008	4003	PHOTORECEPATOR OR	4059	775	1224	1
4009	4010	DIGITAL SCAN	4060	5004	1672	18
4011	04	WIRELESS NETWORK	4061	775	5278	22
4012	05	REMOTE NETWORK OR	4062	1224		3
4013	06	OPTIC ALIGN	4063	1672		12
4014						249
4015						263
4064						34
4065						34
4066						34
4067						34
4068						34
4069						34
4070						34
4071						34
4072						34
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4100						34
4101						34
4102						34
4103						34
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4107						34
4108						34
4109						34
4110						34
4111						34
4112						34
4113						34
4114						34
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4119						34
4120						34
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4221						34
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4230						34
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4232						34
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4260						34
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4264						34
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4280						34
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4299						34
4300						34
4301						34
4302						34
4303						34
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4305						34
4306						34
4307						34
4308						34
4309						34
4310						34
4311						34
4312						34
4313						34
4314						34
4315						34
4316						34
4317						34
4318						34
4319						34
4320						34
4321						34
4322						3

FIG. 5

INITIAL DEFINITIONS

SEARCH TERM-A STRING OF TEXT TO BE FOUND WITHIN THE TEXT OR CLAIMS OF DESIRED PATENTS.
 SEARCH TERMS CAN BE CLASSIFIED AS EITHER "ACTION" OR "OBJECT."
 SEVERAL RELATED ACTION SEARCH TERMS MAY BE COMBINED TO REFLECT A SINGLE ACTION.
 CELL-A CROSS SECTION OF SEARCH TERMS (ACTION X OBJECT).
 CELLS ARE GIVEN A REFERENCE CODE (e.g. A01) TO DEPICT THE COMBINATION OF SOURCE SEARCH TERMS.
 THE REFERENCE CODE MAY BE FOLLOWED BY A C OR T TO NOTE THAT THE SEARCH TERMS WERE FOUND
 WITHIN THE TEXT OR CLAIMS OF THE INCLUDED PATENTS.
 CLUSTER-A GROUP OF NATURALLY RELATED CELLS.
 FIELD-A PATENT LANDSCAPE DEFINED BY THE COMPOSITE OF ALL CELLS.



THE POWER TO BE BOTH FOCUSED AND INCLUSIVE

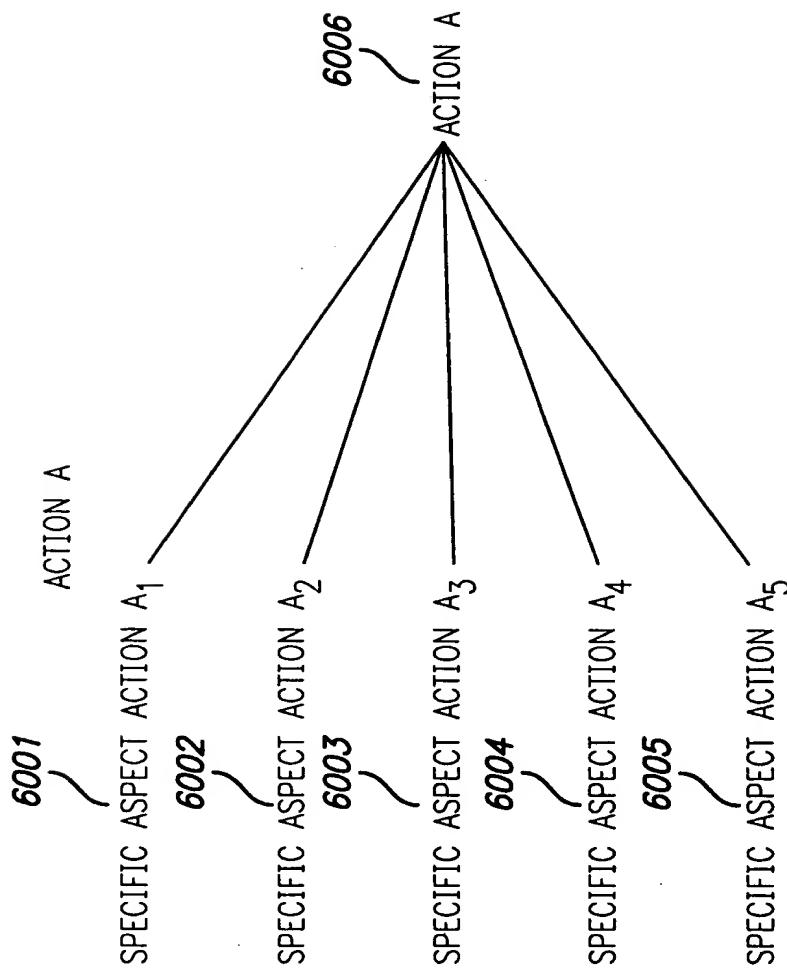


FIG. 6

*PATENTS IDENTIFIED IN ANY OF THESE SPECIFIC TERMS ARE ROLLED INTO ONE ACTION DATA SET.

FIG. 7-1

PATENT CROSS TAB REPORT

7001 7002 7003 7004 7005 7006 7007 7008 7009 7010

ASSIGNEE	DOCUMENT D	TITLE	ISSUED	DOCUMENT TYPE	HITS	WEIGHTED HITS	WEIGHTED ACTION	C01	C02	C03	C04	C05	C06
OBJECT WEIGHTS								1	1	2	1	1	3
HE HOLDINGS	6025595	7011											
RAYTHEON	WO 98/35496	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	2/15/00	US	3	4	2						
RAYTHEON	WO 98/35497	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	8/13/98	PCT	3	4	3						
HE HOLDINGS	5739531	SPRITE THERMAL IMAGING SYSTEM	8/13/98	PCT	3	4	4						
UNITED STATES OF AMERICA	4470816	THERMAL SIGHT TRAINER	4/14/98	US	3	4	3						
LIU, ZHONG QI	6023637	METHOD AND APPARATUS FOR THERMAL RADIATION IMAGING	9/11/84	US	3	5	3						
			2/8/00	US	2	4	3						

7/37

FIG. 7-2

EMPRESA NACIONAL BAZAN DE CON- STRUCCIONES NAVAL MILITARES	A SYSTEM FOR THE MONITORING AND DETECTION OF HEAT SOURCES IN OPEN AREAS	EP 0 611 242 B1	10/20/99	EP-B	2 4	2 1	1
OMNICORDER TECHNOLOGIES	MEHTOD OF DETECTION OF CANCEROUS LESIONS BY THEIR EFFECT ON THE SPATIAL DISTRIBUTION OF MODULATION OF TEMPERATURE AND HOMOGENEITY OF TISSUE	5961466	10/5/99	US	2 1	2 1	1
MASSA- CHUSETTES INSTITUTE OF TECHNOLOGY	REAL TIME ADAPTIVE DIGITAL IMAGE PROCESSING FOR DYNAMIC RANGE REMAPPING OF IMAGERY INCLUDING LOW-LIGHT-LEVEL VISIBLE IMAGERY	5909244	6/1/99	US	2 1	1 1	1

9/37

VACHTSEVANOS, GEORGE J.	5815198	METHOD AND APPARATUS FOR ANALYZING AN IMAGE TO DETECT AND IDENTIFY DEFECTS	9/29/98	US	2	4	1	1	1		
UNITED STATES OF AMERICA	5756990	SIMPLIFIED SIMULATION OF EFFECTS OF TURBULENCE ON DIGITAL IMAGERY	5/26/98	US	2	1	4	1	1		
HUGHES ELECTRONICS	5737119	THERMAL IMAGING DEVICE	4/7/98	US	2	4	2		1	1	
HUGHES ELECTRONICS	5673143	THERMAL IMAGING DEVICE WITH SELECTIVELY REPLACEABLE TELESCOPIC LENSES AND AUTOMATIC LENS IDENTIFICATION	9/30/97	US	2	4	2		1	1	
EASTMAN KODAK	56668596	DIGITAL IMAGING DEVICE OPTIMIZED FOR COLOR PERFORMANCE	9/16/97	US	2	3	2	1	1		
HE HOLDINGS Dbo HUGHES ELECTRONICS	EP 0 762 173 A2	THERMAL IMAGING DEVICE	3/12/97	EP-A	2	4	1		1	1	

FIG. 7-3

TOTTSO 86165260

FIG. 8A-1

8001
8021
8022
8023
8024
8025
8026

RANK	ASSIGNEE	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTION	ASSIGNEE ROLLUP						
							C01	RC	C02	RC	C03	RC	C04
	8002 PATENTS				62	87	20		34		263		249
	8003 ISSUED PATENTS				49	65	17		23		206		222
	8004 APPLIED PATENTS				13	22	3	11			57		27
	8005 RECENT PATENTS				16	33	10	11			55		40
	8006 ISSUED RECENT PATENTS				14	22	7	7			44		34
	8007 APPLIED RECENT PATENTS				2	11	3	4			11		6
	8008 DOMINANCE				0.48	0.26	0.20		0.44		0.48		0.40
	8009 RECENT DOMINANCE				0.44	0.18	0.20		0.18		0.27		0.28
	8010 ISSUED INNOVATION FACTOR 4				0.33	0.62	0.69				1.29	0.10	0.17
	8011 APPLIED INNOVATION FACTOR 4				0.64	0.87	0.33	0.50	-0.02		0.19		

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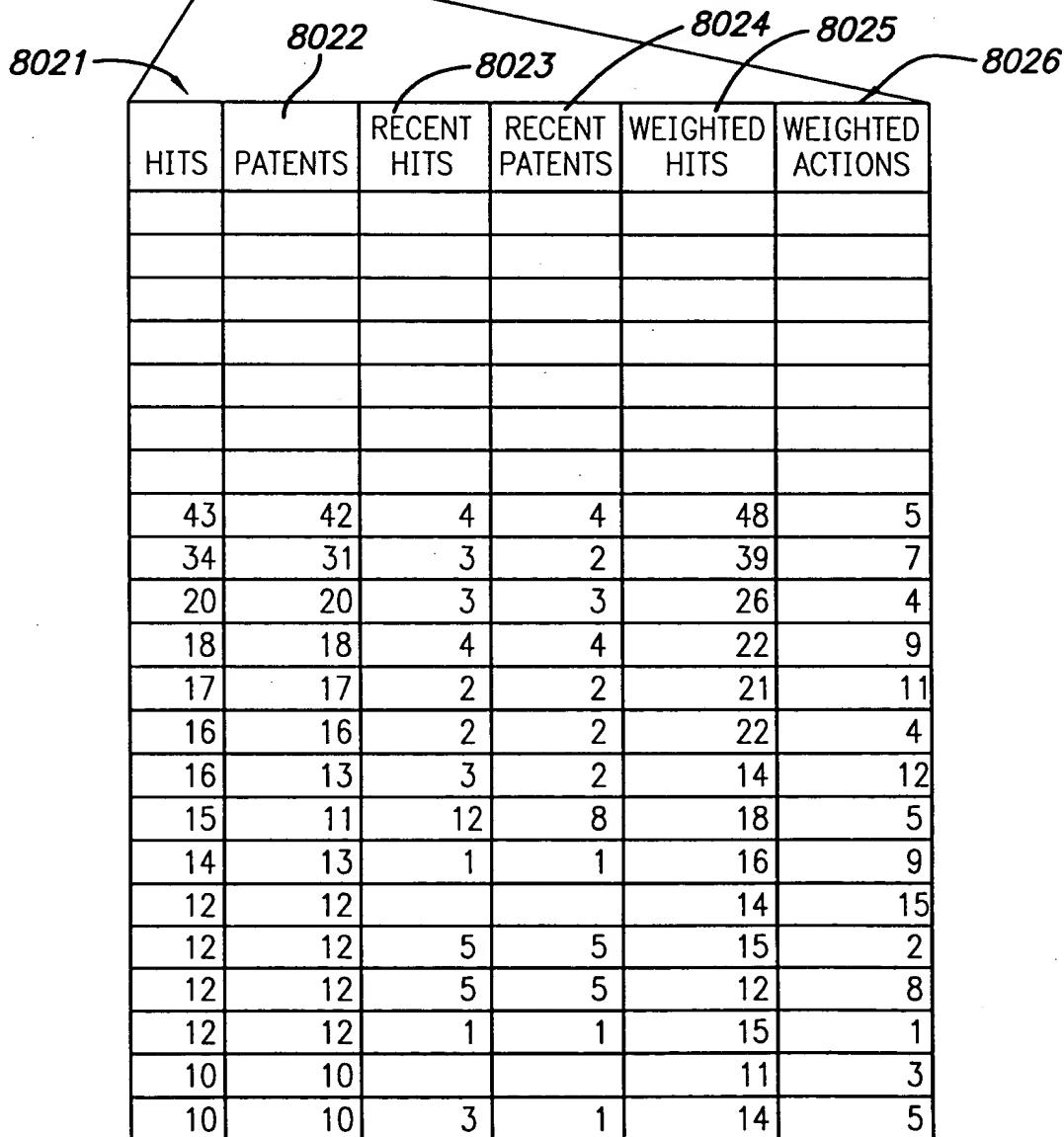
FIG. 8A-2

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FIG. 8B

ASSIGNEE INDICES
ASSIGNEE ROLLUP

RANK	ASSIGNEE	HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTION	C01	RC 01	C02	RC 02	C03	RC 03	C04	RC 04	C05	RC 05	C06	RC 06
	PATENT							62	87	20	34	263		249					
	ISSUED PATENTS							49	65	17	23	206		222					
	APPLIED PATENTS							13	22	3	11	57		27					
	RECENT PATENTS							16	33	10	11	56		40					
	ISSUED RECENT PATENTS							14	22	7	7	44		34					
	APPLIED RECENT PATENTS							2	11	3	4	11		6					
	DOMINANCE							0.48	0.26	0.20	0.44	0.48		0.40					
	RECENT DOMINANCE							0.44	0.18	0.20	0.18	0.27		0.28					
	ISSUED INNOVATION FACTOR 4							0.33	0.62	0.69	1.29	0.10		0.17					
	APPLIED INNOVATION FACTOR 4							0.64	0.87	0.33	0.50	-0.02		0.19					
	PREDICTIVE INNOVATION FACTOR 4							0.31	0.25	0.36	-0.79	-0.12		0.02					
1	EASTMAN KODAK	43	42	4	4			3	3	1		30	3	6	1				
2	UNITED STATES OF AMERICA	34	31	3	2				2	1			11	2	21				
3	TEXAS INSTRUMENTS	20	20	3	3				2				13	3	6				
4	XEROX	18	18	4	4			17	3										
5	MINNESOTA MINING & MANUFACTURING	17	17	2	2			2	1				14	1					
6	INTL BUSINESS MACHINES	16	16	2	2				1						3				
7	HUGHES ELECTRONICS	16	13	3	2				1				10	2	5	1			
8	RAYTHEON	15	11	12	8				5				6	6	2	2			
9	HUGHES AIRCRAFT	14	13	1	1								3		11	1			
10	WESTINGHOUSE ELECTRIC	12	12										2		10				
11	THERMOSCAN	12	12	5	5										12	5			
12	KONICA	12	12	5	5			9	4				3		1				
13	POLAROID	12	12	1	1				2				8		2				
14	BARR & STROUD	10	10										1		9				
15	MATSUSHITA INDUSTRIAL ELECTRIC	10	10	3	3								9		3				



CELL INDICES - DEFINITIONS
INNOVATION FACTOR 1 (APPLIED OR ISSUED)

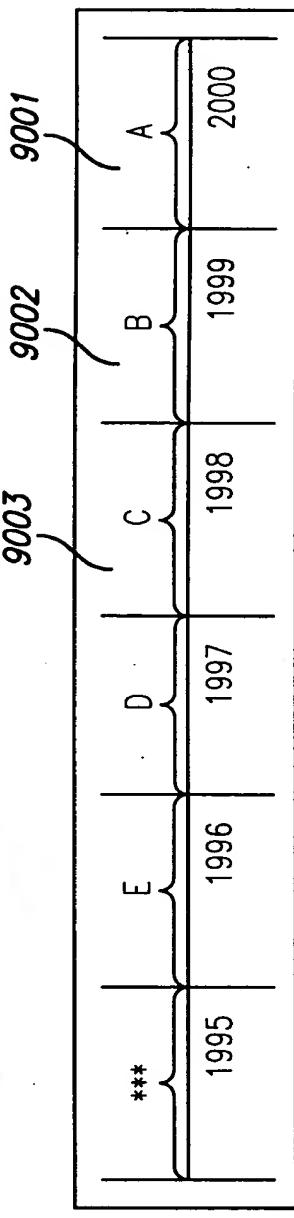
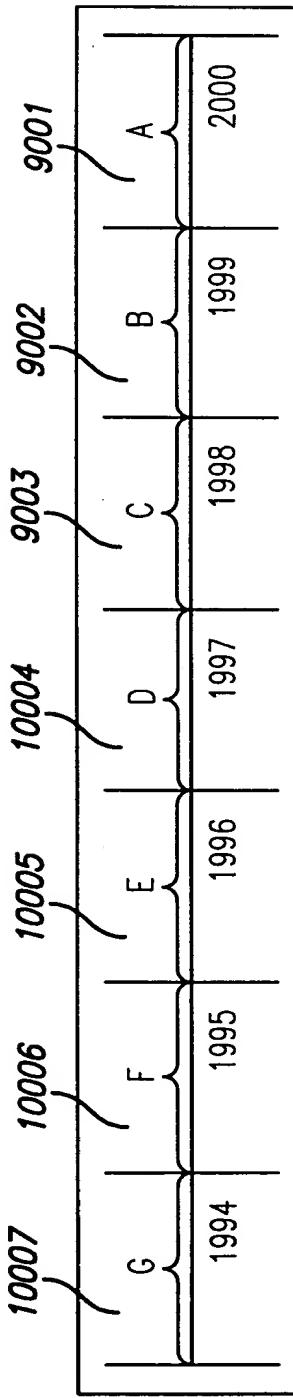


FIG. 9

$$\text{INNOVATION FACTOR } 9000 = \frac{9001}{(9002 + 9003)}$$

CELL INDICES - DEFINITIONS
INNOVATION FACTOR 4 (APPLIED OR ISSUED)



INNOVATION FACTOR 4 =

$$10012 = \frac{\left(\frac{(A-B)}{B} \times 6\right) + \left[\frac{(B-C)}{C} \times 5\right] + \left[\frac{(C-D)}{D} \times 4\right] + \left[\frac{(D-E)}{E} \times 3\right] + \left[\frac{(E-F)}{F} \times 2\right] + \left[\frac{(F-G)}{G} \times 1\right]}{10011 + 10013 + 10014 + 21 + 10015 + 10016 + 10017 + 10018 + 10019 + 10020}$$

FIG. 10

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TOP SECRET//EYES ONLY

FIG. 11

CELL SELECTION MATRIX
CELL SELECTION INDEX IS CALCULATED FOR EACH CELL BASED ON THE IMPLIED
SUITABILITY FOR JOINT VENTURES OR INTERNAL DEVELOPMENT:

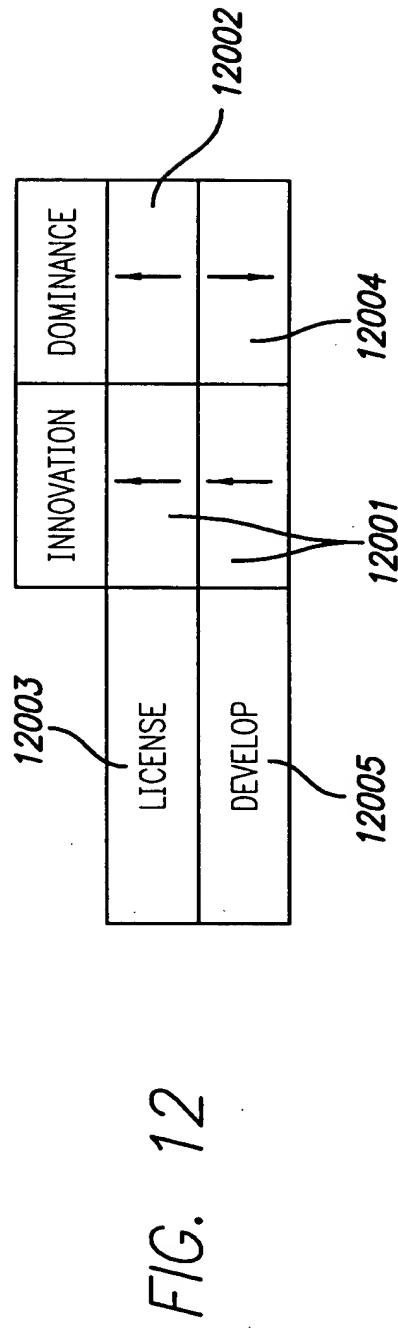
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			OPTIC ALIGN		
			THERMAL IMAGE		
			WIRELESS NETWORK OR		
A	LICENSE	4	4	1.25	1.25
B	LICENSE				0
C	LICENSE	20	15	5	10.5
A	DEVELOP	16	6	1.25	1.25
B	DEVELOP				0
C	DEVELOP	5	15	7.5	7

11001 { A, B, C }

11002 { A, B, C }

CELL SELECTION INDEX



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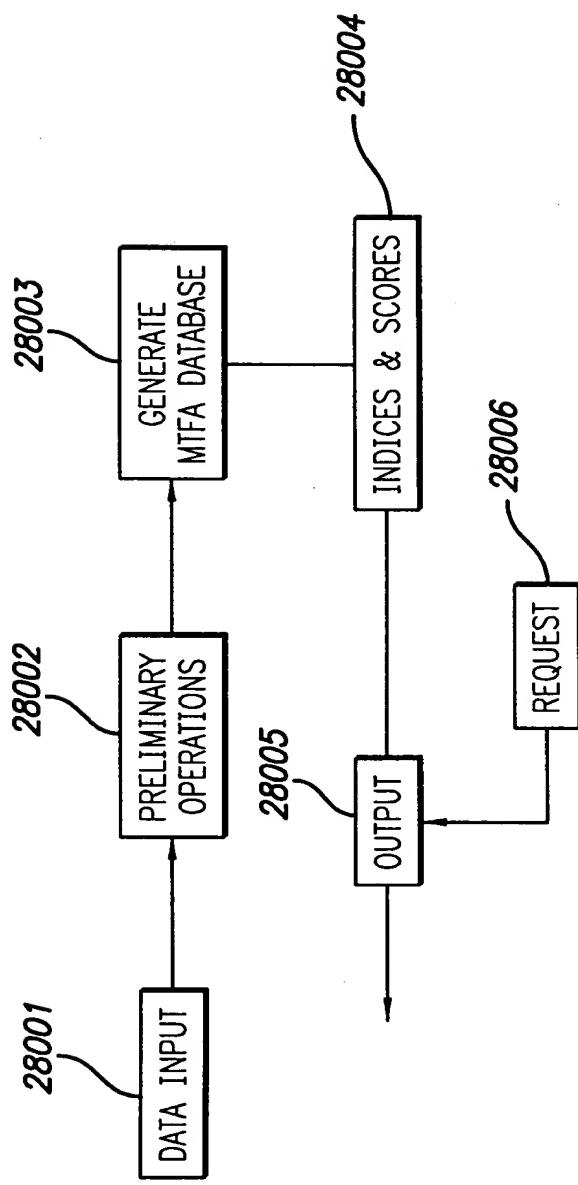
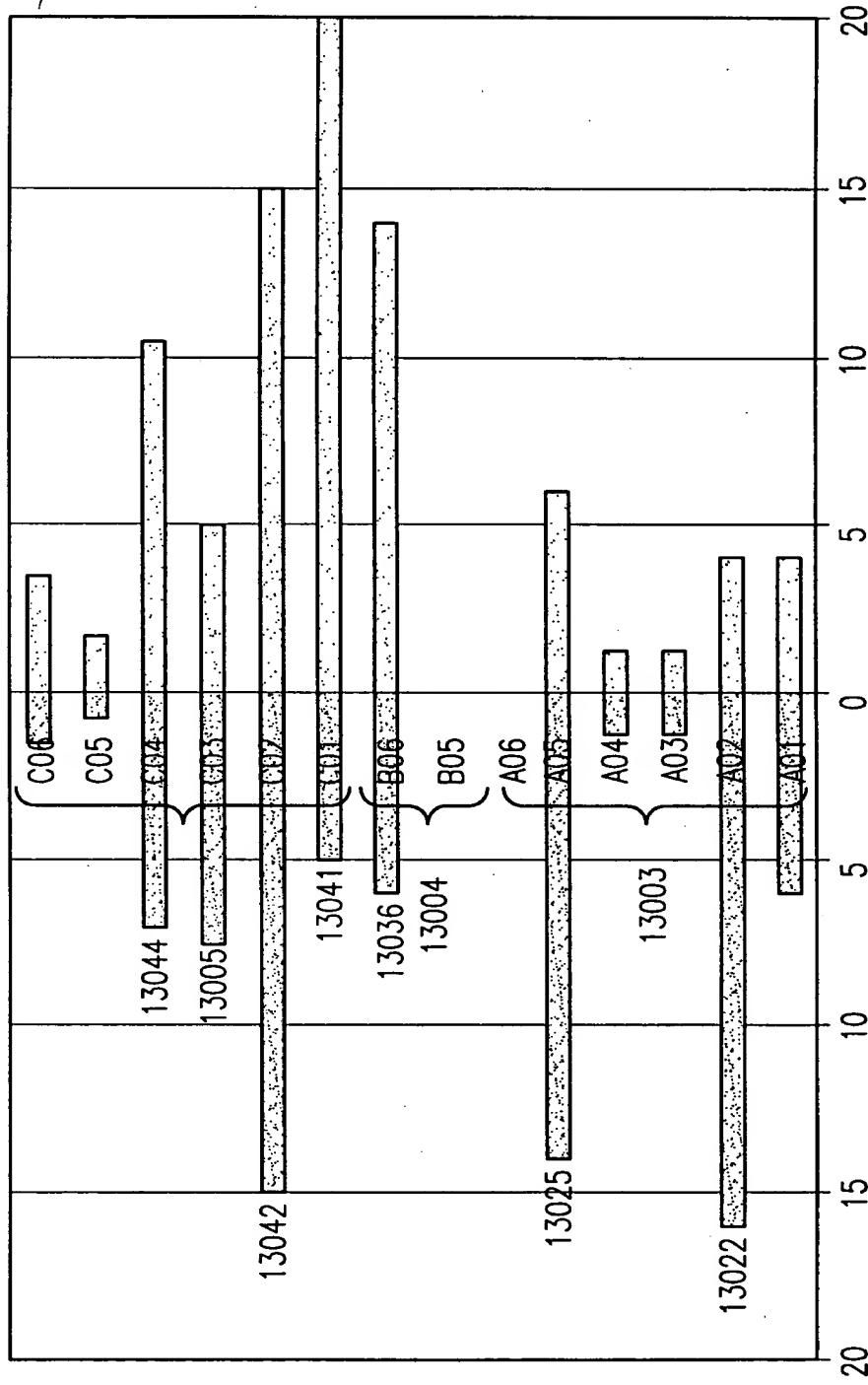
FIG. 28

FIG. 13A

CELL SELECTION MATRIX

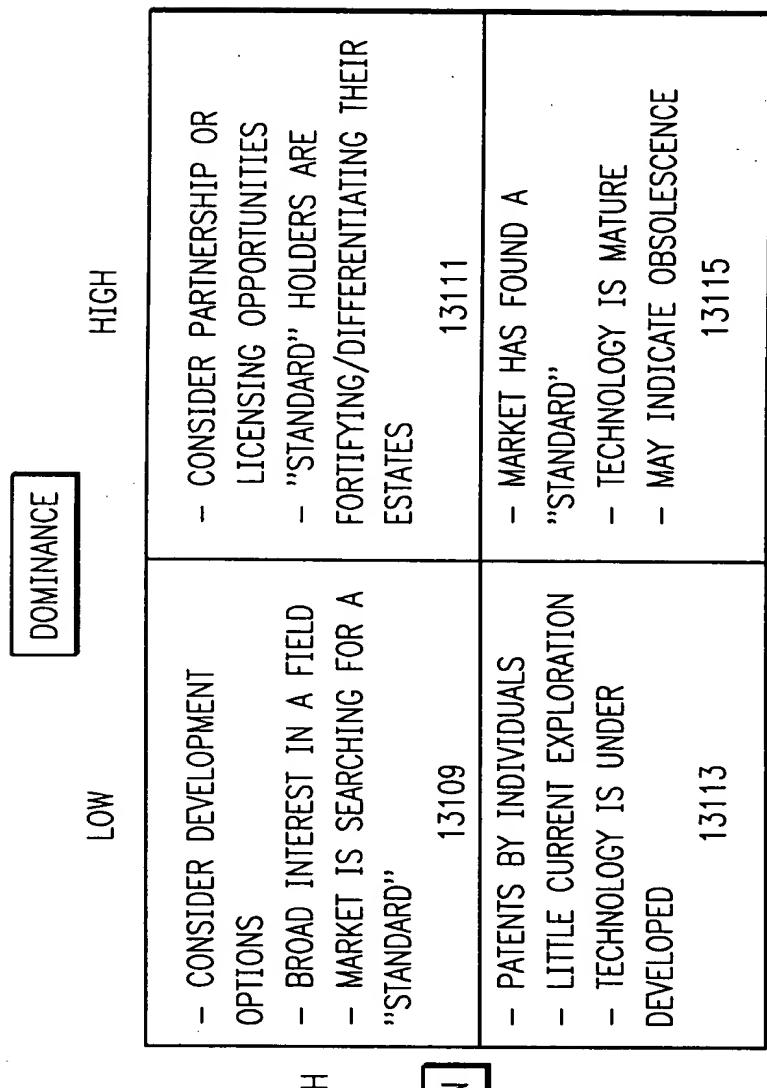
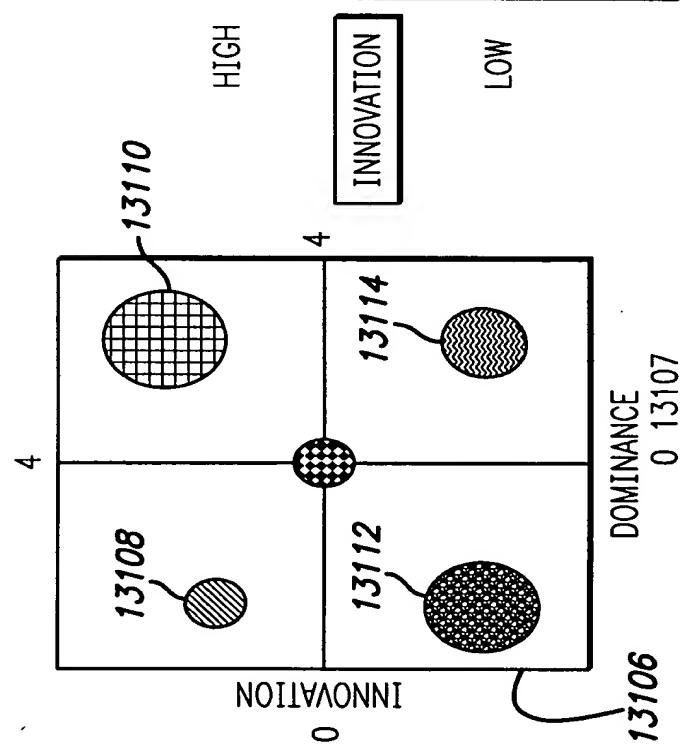


DEVELOP CELL SELECTION INDEX
13001

LICENSE CELL SELECTION INDEX
13002

TECHNOLOGY SELECTION

CELL SELECTION SCORE - BUBBLE CHART



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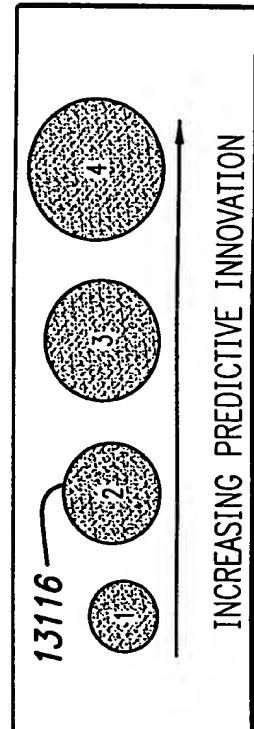


FIG. 13B

TOTEGO "BAGGAGE

FIG. 14

ASSIGNEE COMPOSITE SCORE

14003 14004 14005 14006 14007 14008

14001 14010
14002

RANK	ASSIGNEE	C01	C02	C03	C04	C05	C06
1	A	61.4	46.1	5.1	0.0	59.0	25.0
2	B	0.0	55.4	0.0	0.0	26.4	80.6
3	C	0.0	30.0	0.0	31.5	28.0	7.0
4	D	400.0	0.0	10.0	0.0	0.0	0.0
5	E	40.0	30.0	0.0	0.0	26.3	0.0
6	F	0.0	15.0	0.0	147.0	0.0	10.5
7	G	0.0	18.5	0.0	0.0	26.8	26.8
8	H	0.0	147.3	28.6	0.0	30.1	20.0
9	I	0.0	0.0	0.0	0.0	5.7	45.0
10	J	0.0	0.0	0.0	0.0	3.5	35.0
11	K	0.0	0.0	0.0	0.0	0.0	59.5
12	L	260.0	0.0	0.0	0.0	7.0	0.0
13	M	0.0	45.0	0.0	0.0	14.0	7.0
14	N	0.0	0.0	0.0	0.0	1.8	31.5
15	O	0.0	0.0	0.0	10.5	21.0	0.0

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TOTAL 50 " 36.465260

FIG. 15A

ASSIGNEE COMPOSITE SCORE

14003 14004 14005 14006 14007 14008

RANK	ASSIGNEE	OPTIC ALIGN					
		C01	C02	C03	C04	C05	C06
1	A	15.4	25.6	8.5	0.0	100.0	31.0
2	B	0.0	30.8	0.0	0.0	44.7	100.0
3	C	0.0	16.7	0.0	21.4	47.5	8.7
4	D	1000.0	0.0	16.7	0.0	0.0	0.0
5	E	10.0	16.7	0.0	0.0	44.5	0.0
6	F	0.0	8.3	0.0	100.0	0.0	13.0
7	G	0.0	10.3	0.0	0.0	45.4	33.2
8	H	0.0	81.8	47.7	0.0	51.0	24.9
9	I	0.0	0.0	0.0	0.0	9.6	55.8
10	J	0.0	0.0	0.0	0.0	5.9	43.4
11	K	0.0	0.0	0.0	0.0	0.0	73.8
12	L	65.0	0.0	0.0	0.0	11.9	0.0
13	M	0.0	25.0	0.0	0.0	23.7	8.7
14	N	0.0	0.0	0.0	0.0	3.0	39.1
15	O	0.0	0.0	0.0	7.1	35.6	0.0

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FIG. 15B

ASSIGNEE COMPOSITE SCORE

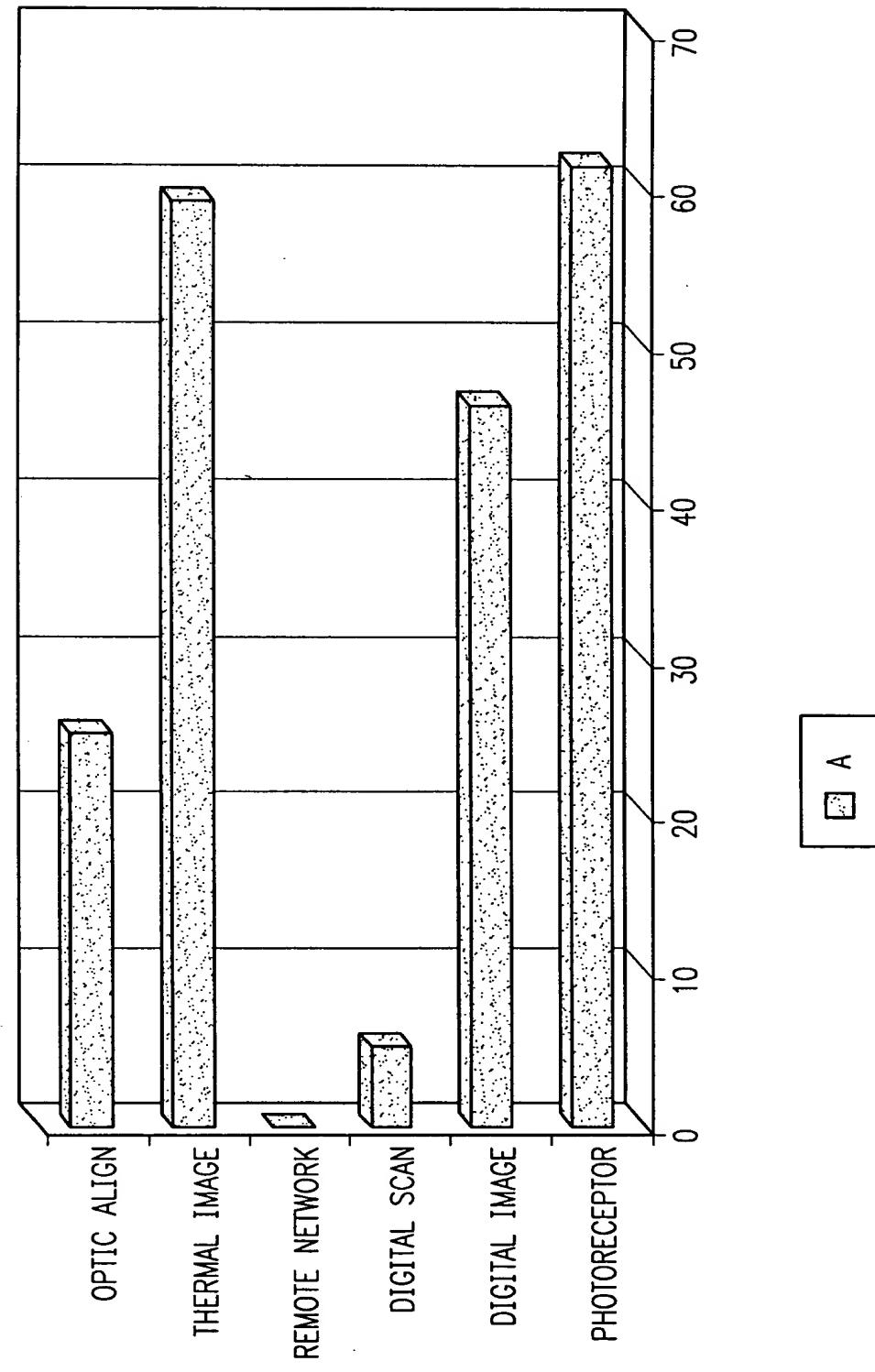
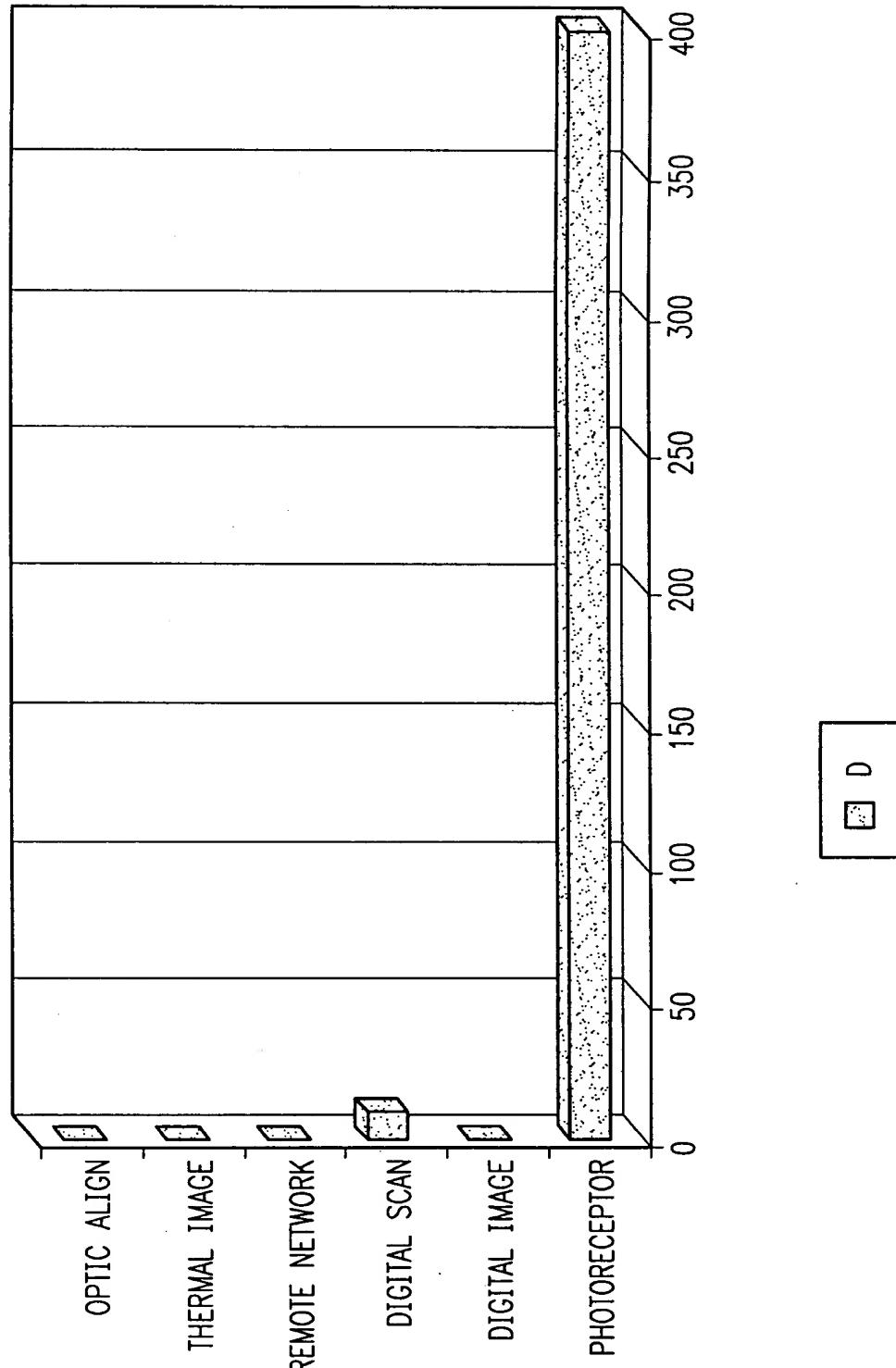


FIG. 15C

ASSIGNEE COMPOSITE SCORE



TOP SECRET//SIAM//EYESAFE

FIG. 15D

ASSIGNEE COMPOSITE SCORE

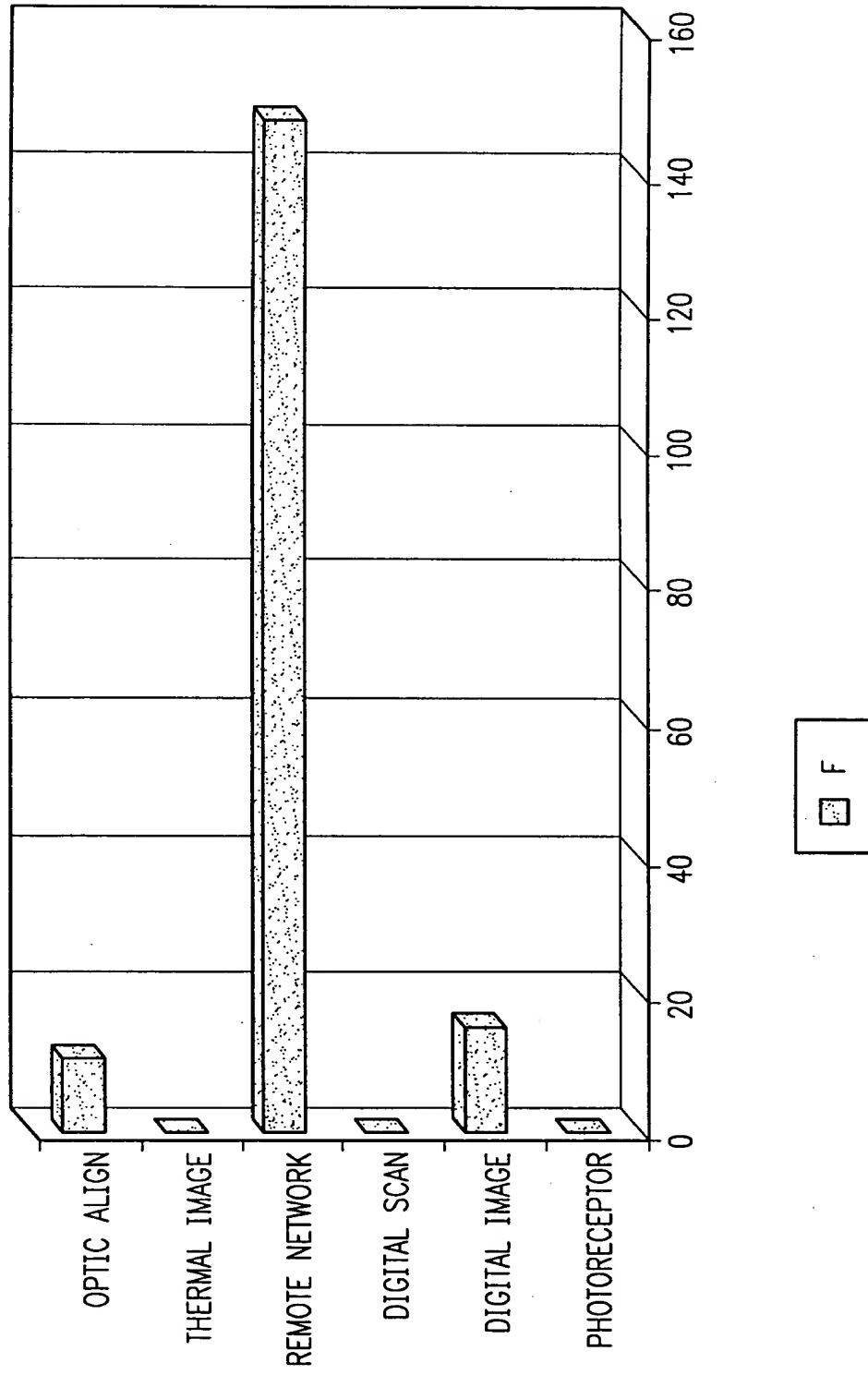


FIG. 15E

ASSIGNEE COMPOSITE SCORE

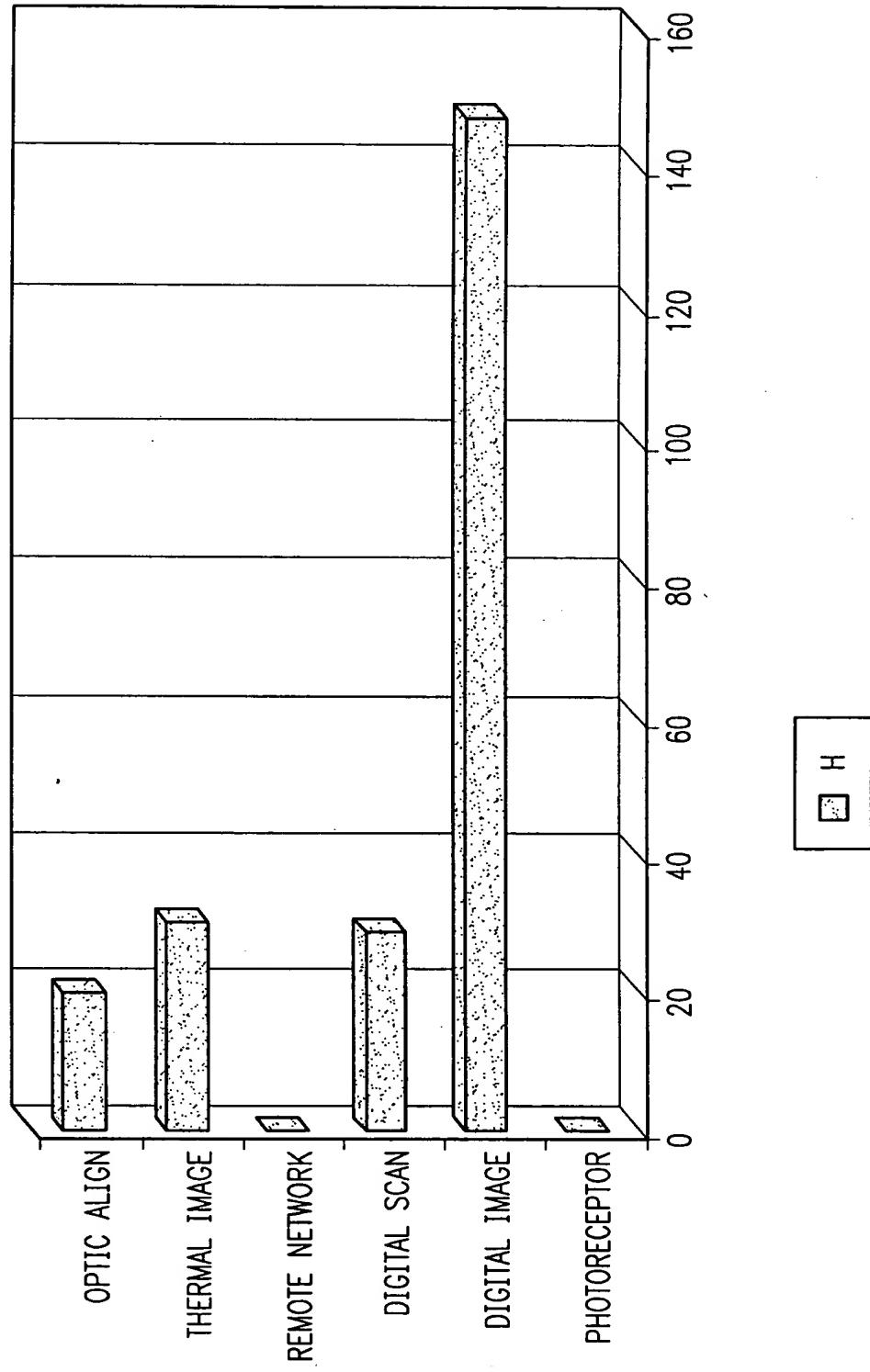
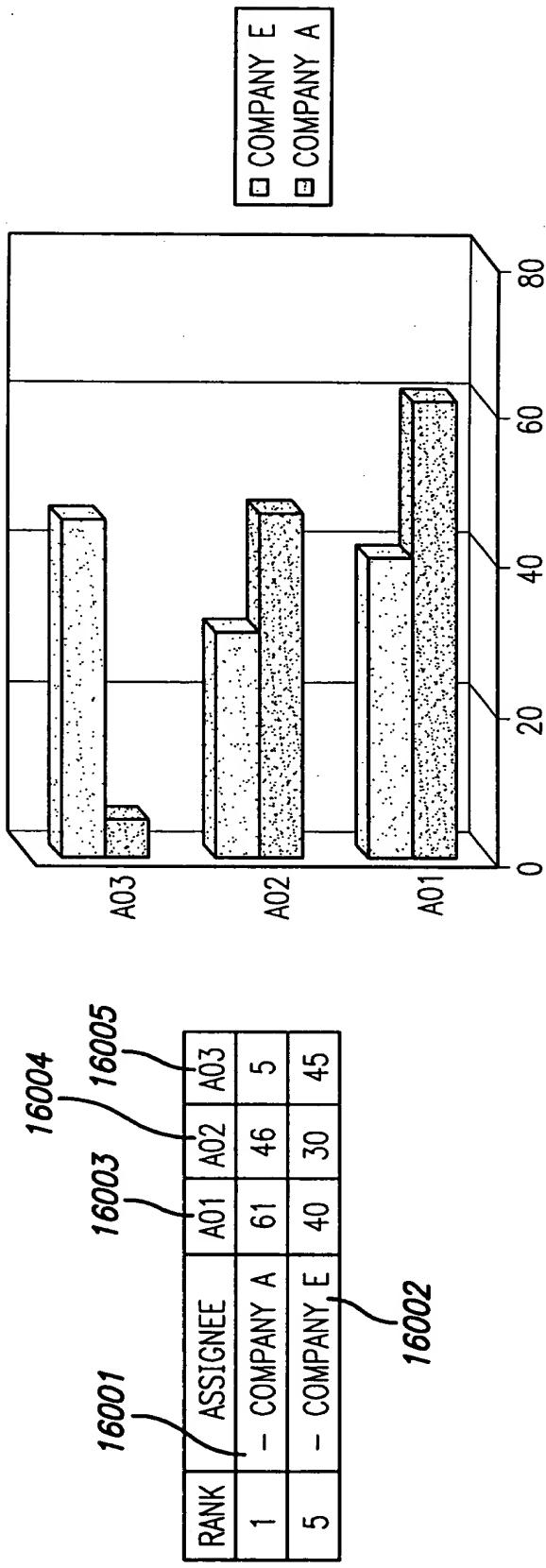


FIG. 16

GRAPHICAL REPRESENTATION OF ASSIGNEE COMPOSITE SCORE



ପ୍ରକାଶକ ପତ୍ର

ASSIGNEE COMPOSITE SCORE
PHOTORECEPTOR

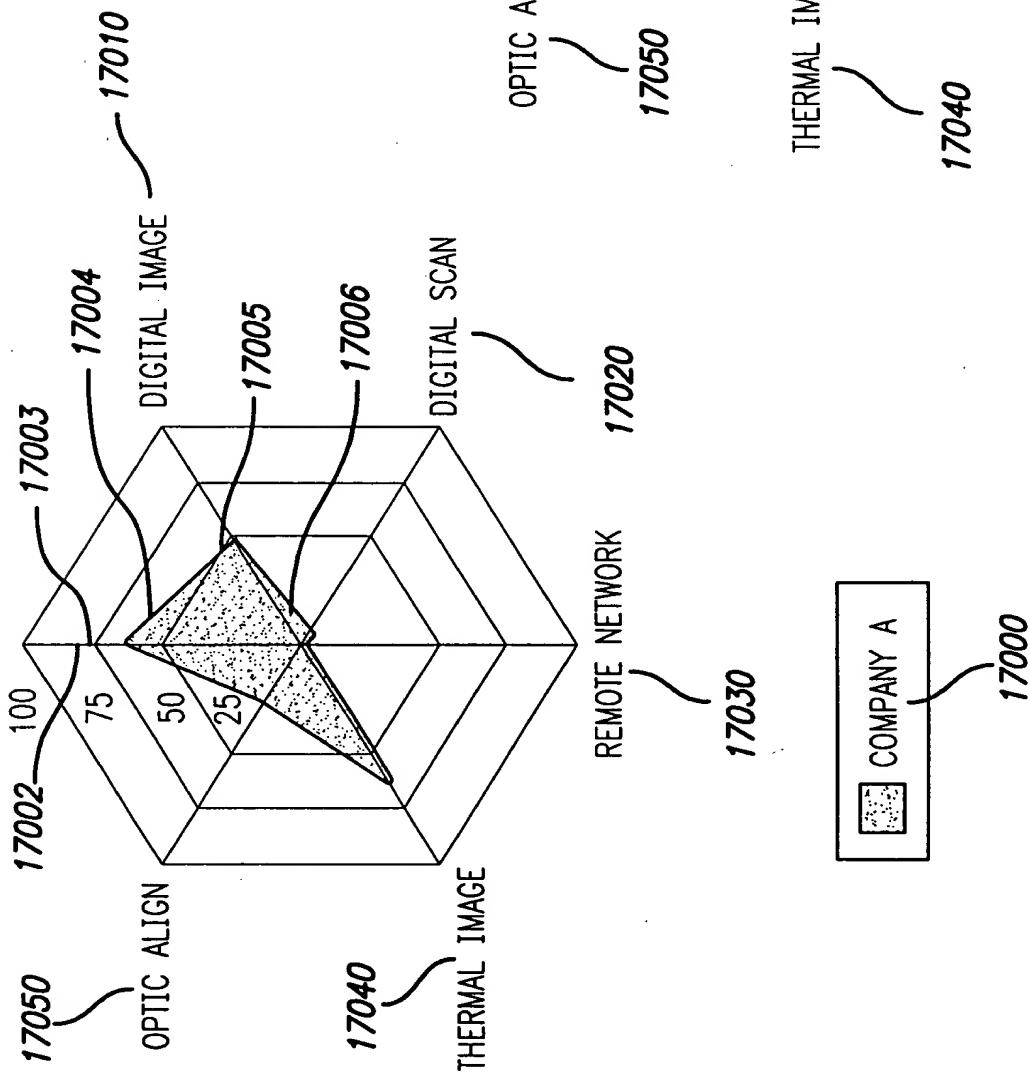


FIG. 18

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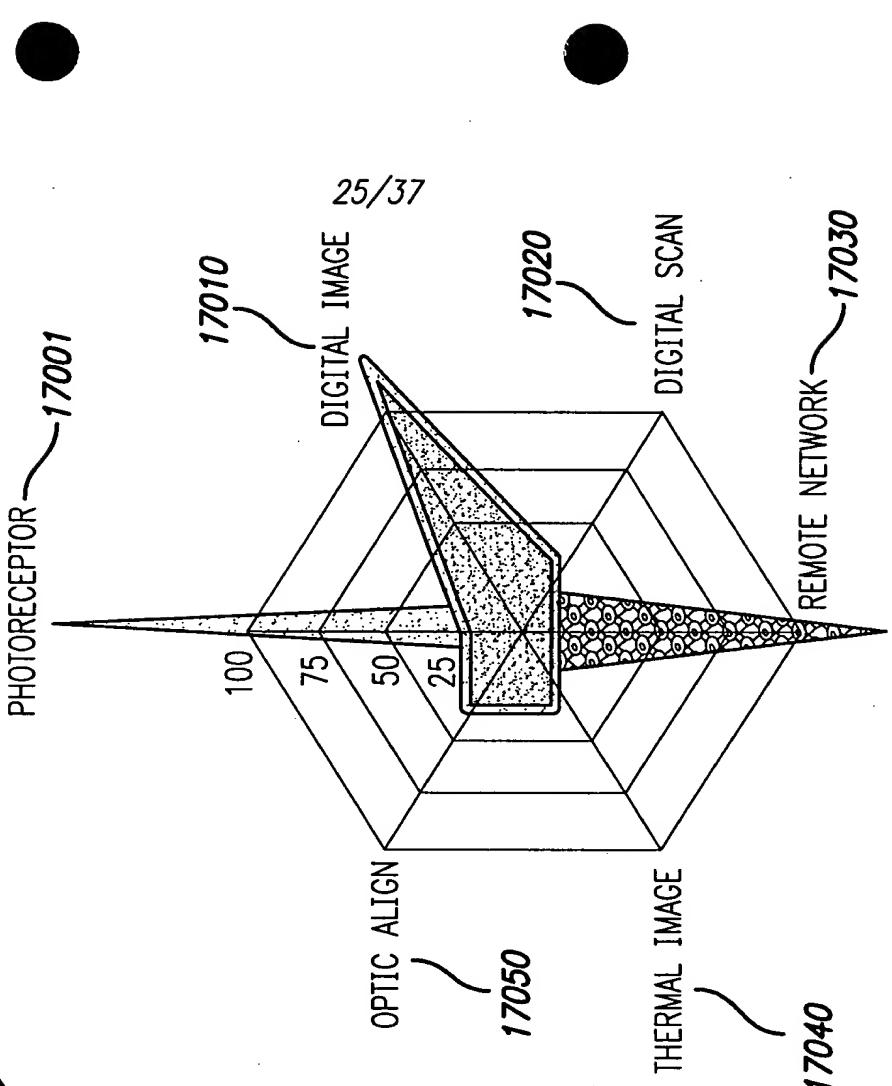


FIG. 17

D18001 F18002 H18003

FIG. 19

ASSIGNEE COMPOSITE SCORE

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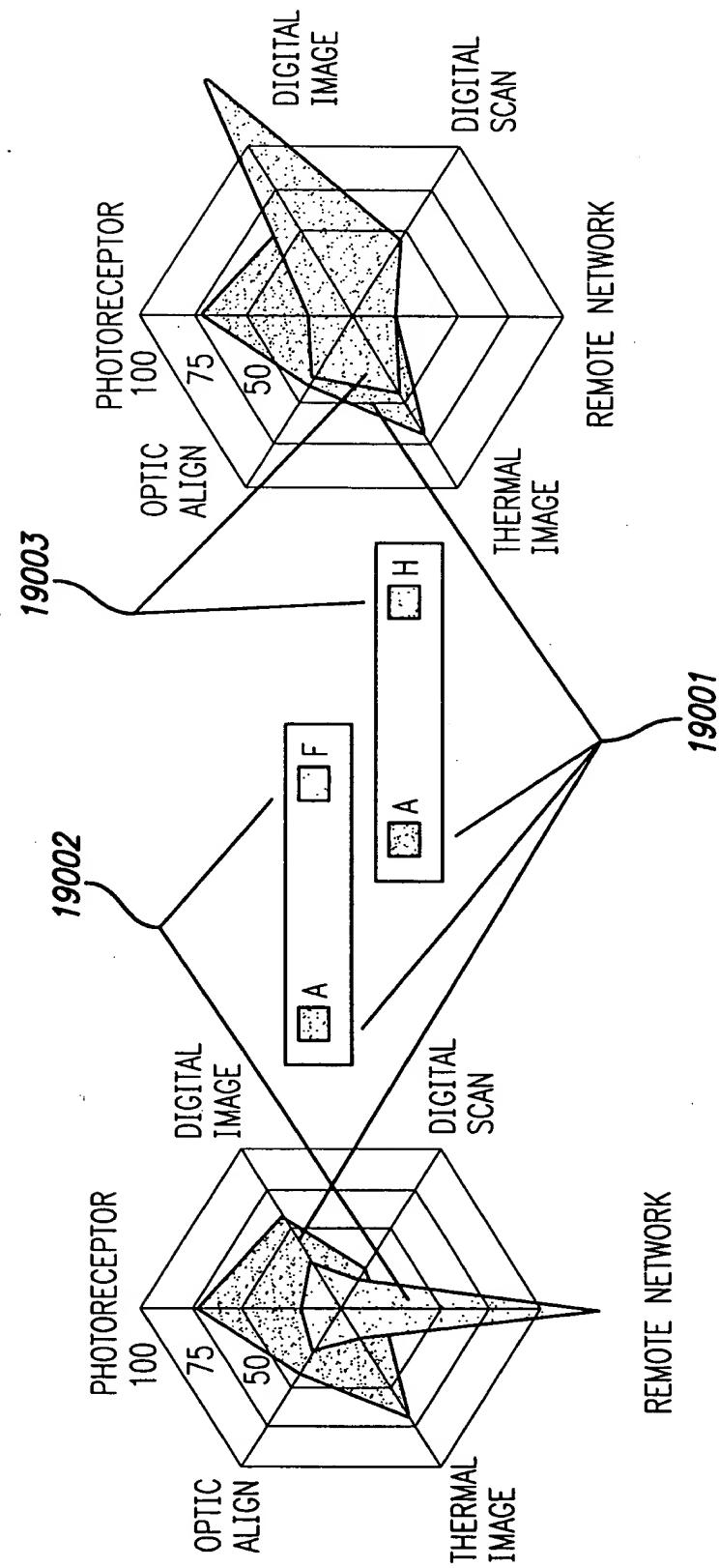
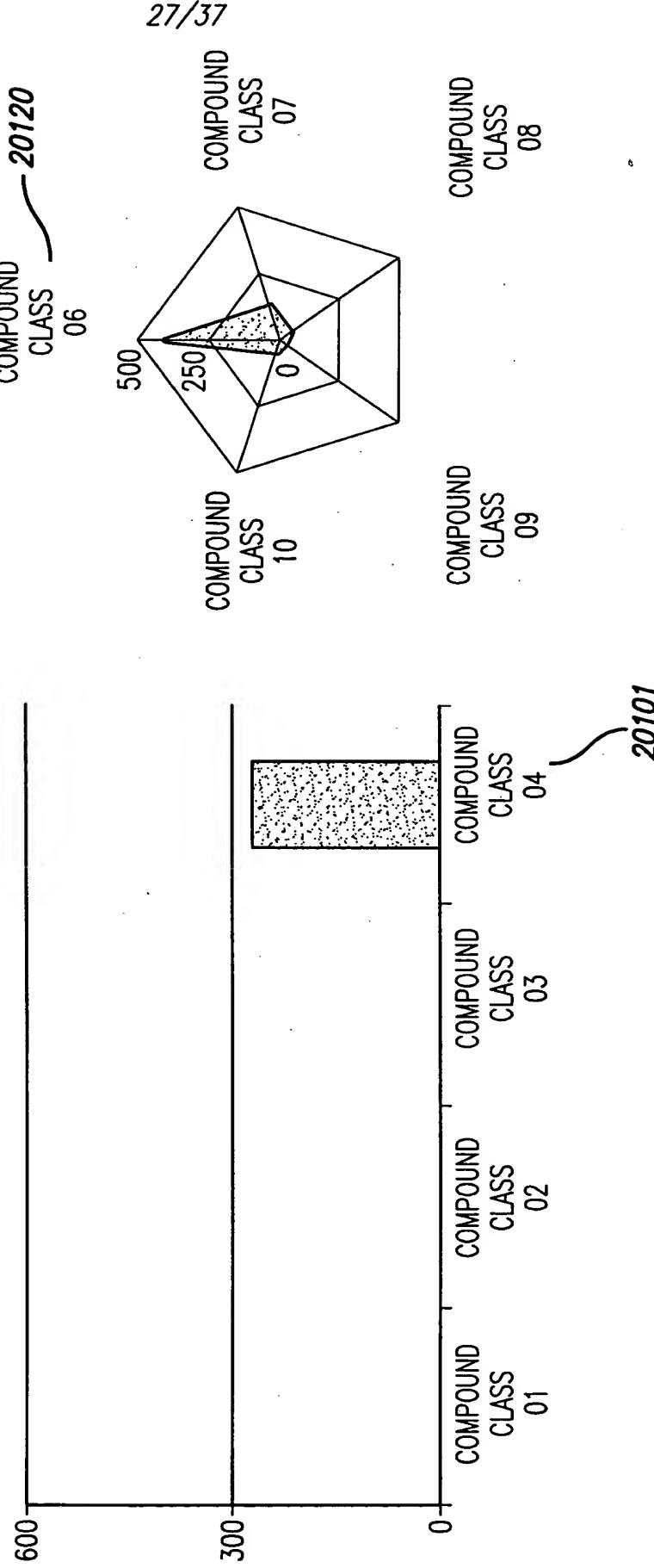


FIG. 20A

TARGET PARTNER 1
ASSIGNEE SPECIFIC CELL SELECTION INDICES

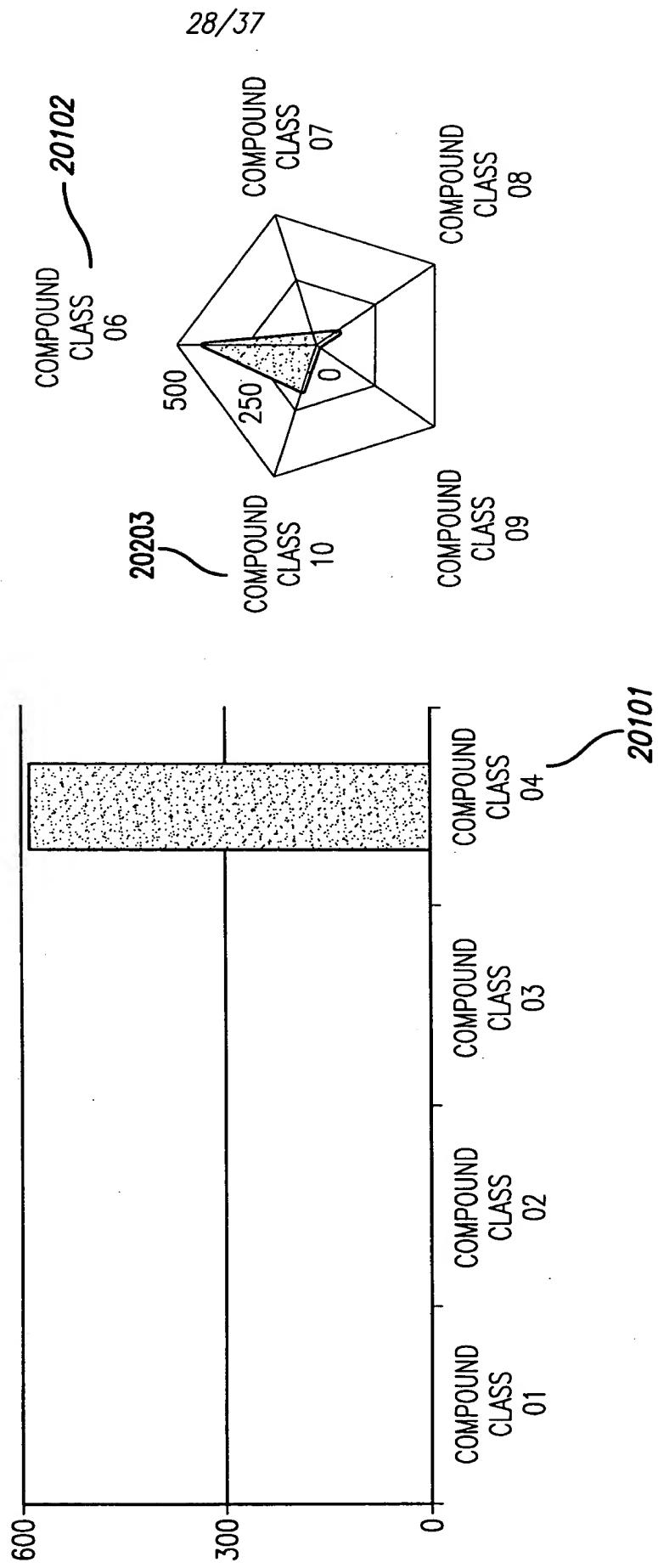
20100



T0TTS0 "361155260

FIG. 20B

ALTERNATIVE PARTNER 2
ASSIGNEE SPECIFIC CELL SELECTION INDICES



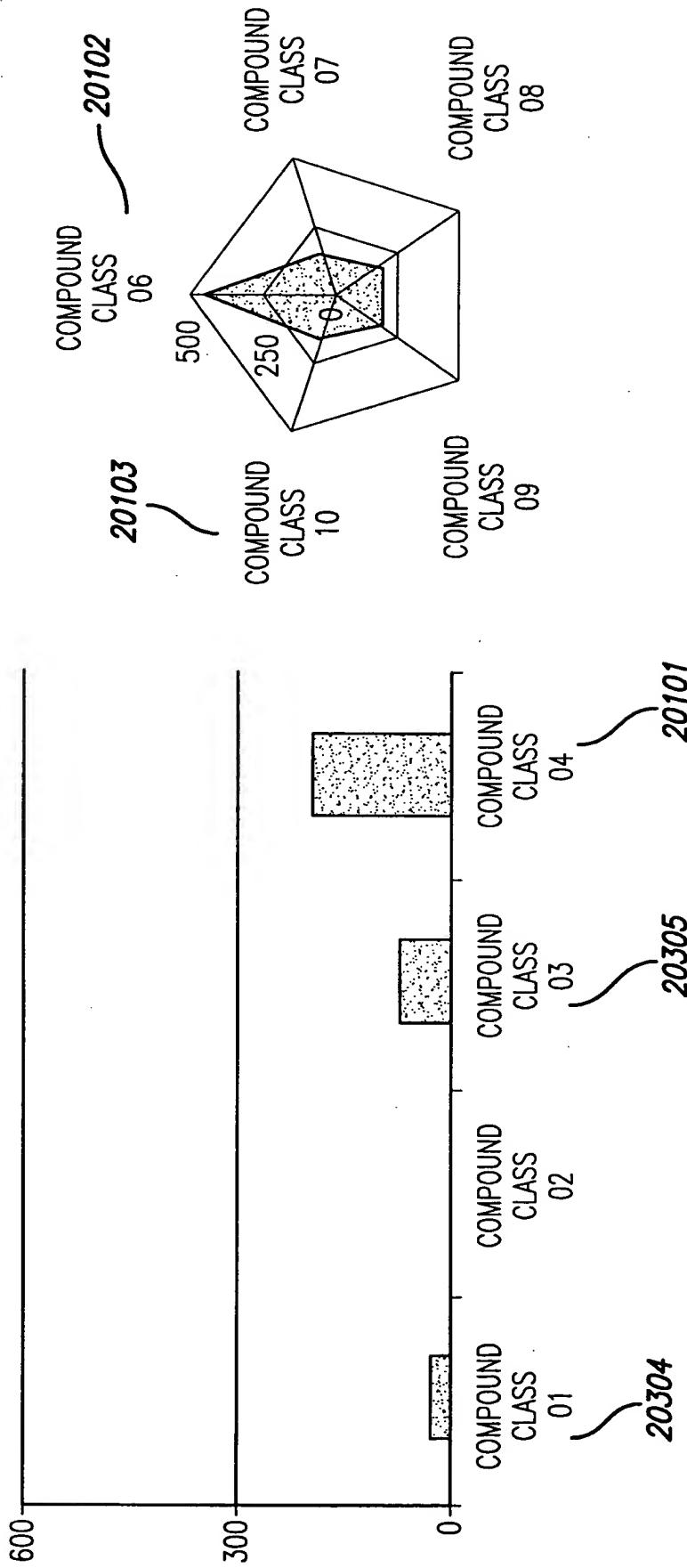
FOTEG 20300

FIG. 20C

ALTERNATIVE PARTNER 2
ASSIGNEE SPECIFIC CELL SELECTION INDICES

20300

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FOT 150 "36165260

FIG. 21

ASSIGNEE FIELD INDEX VS. PATENT COUNT

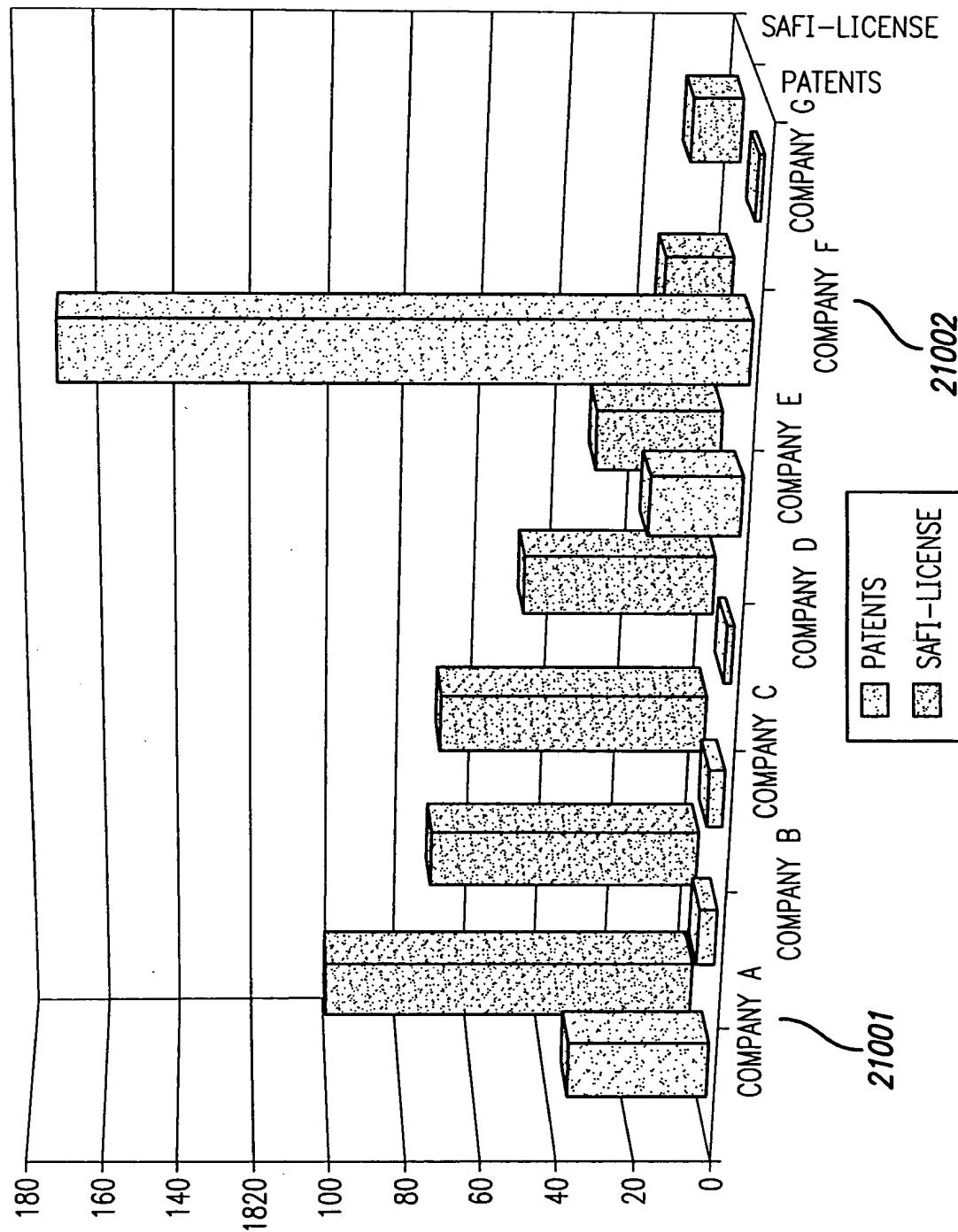


FIG. 22

STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION B

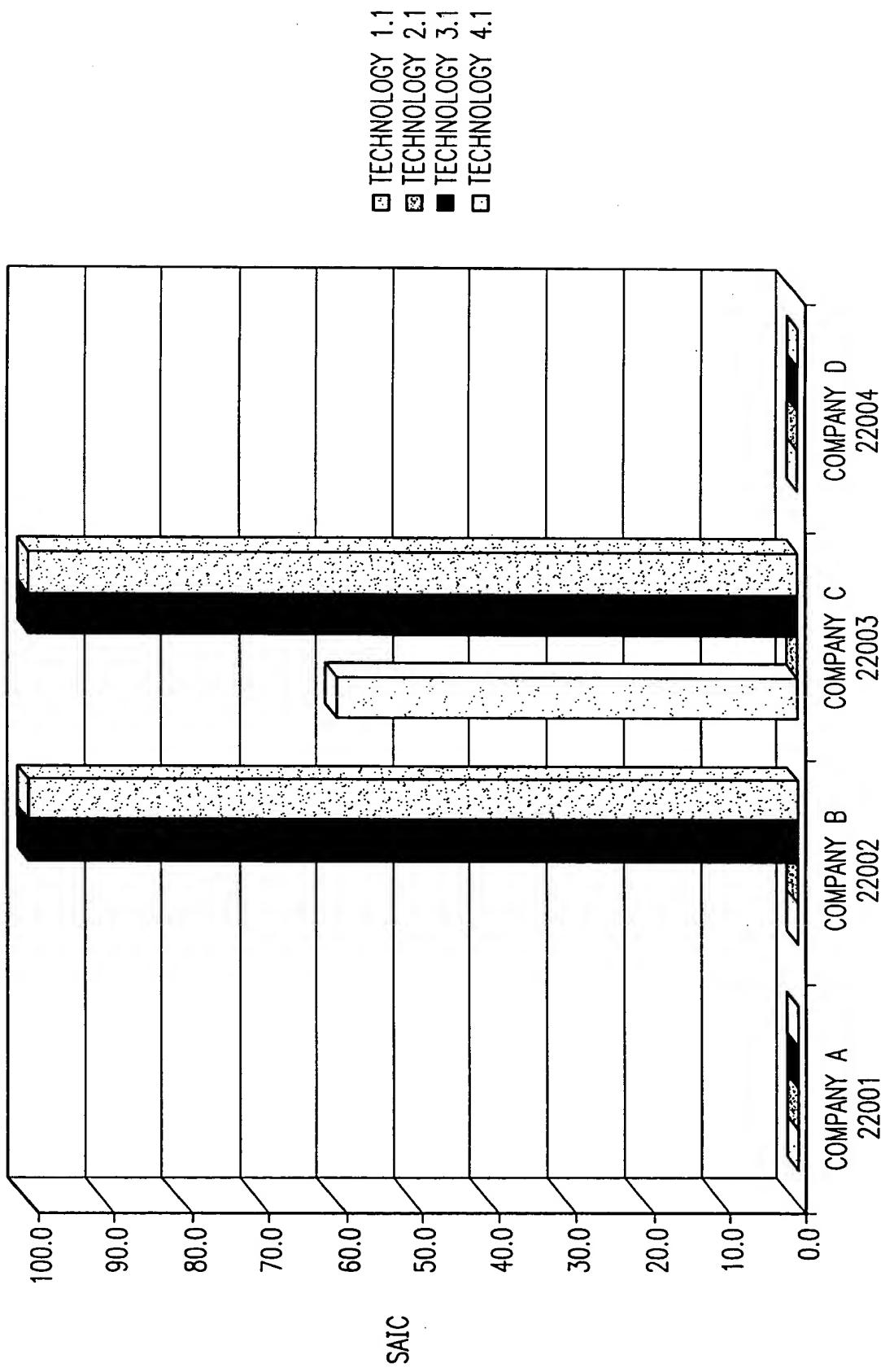


FIG. 23

STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION C

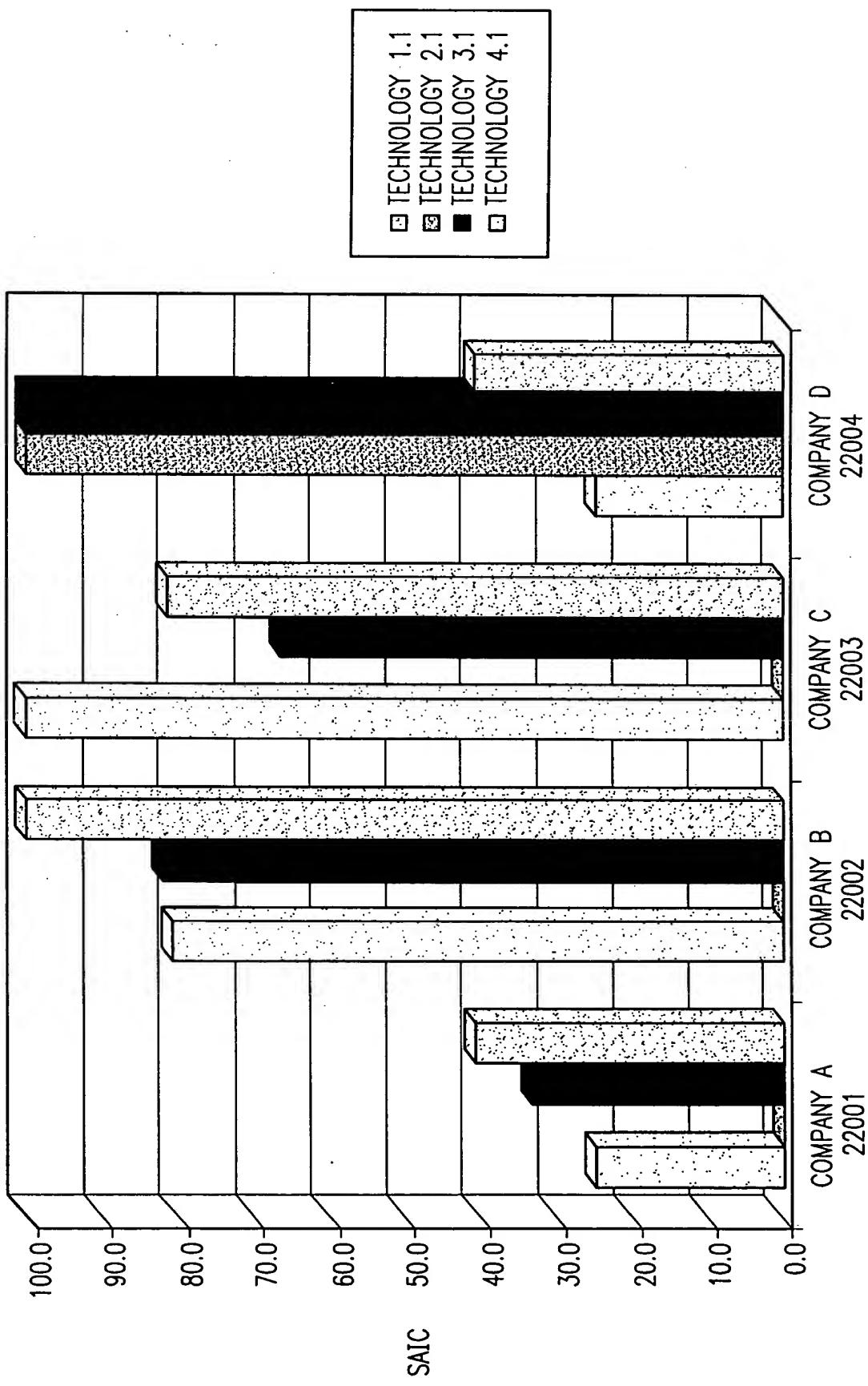
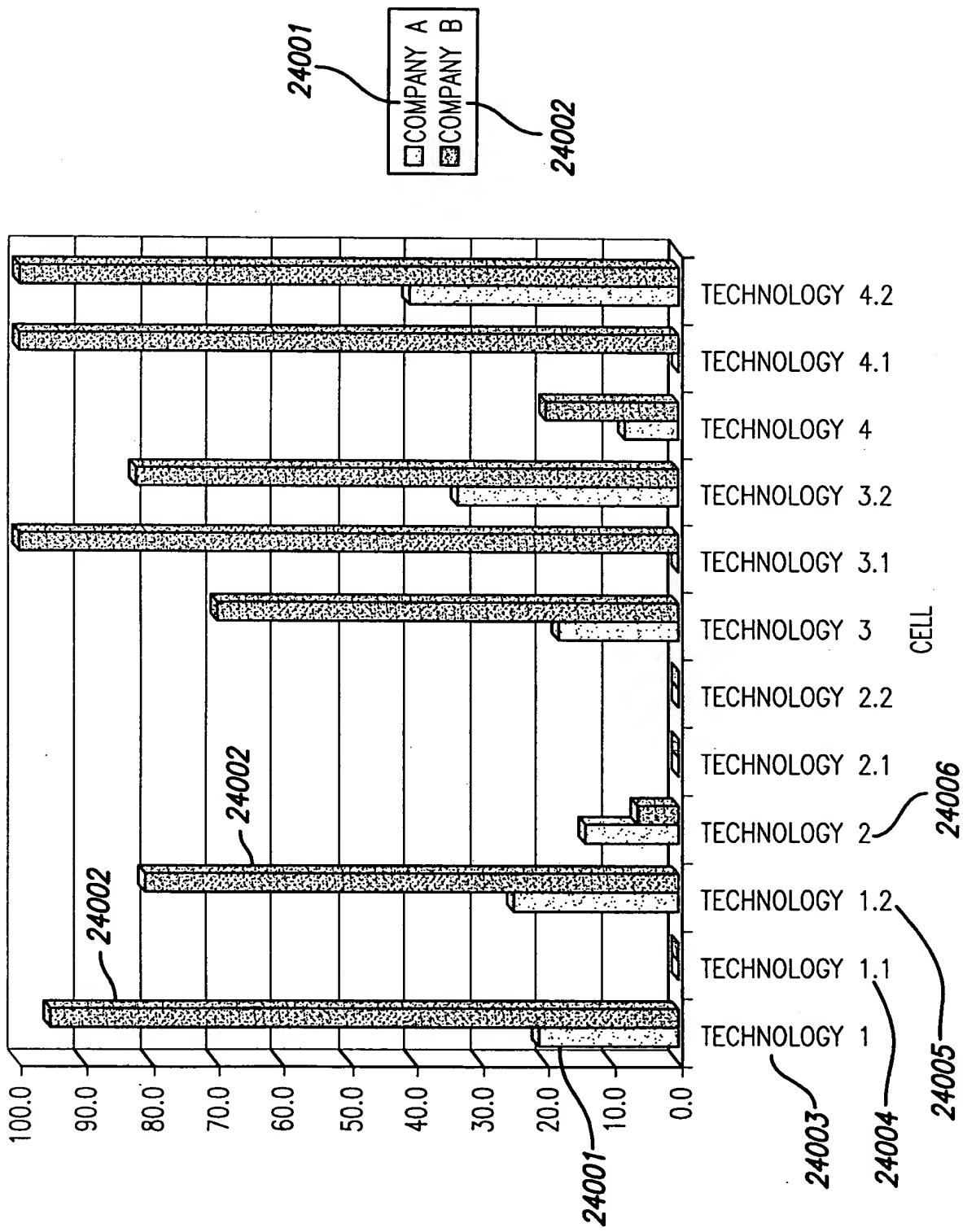


FIG. 24

STANDARDIZED ASSIGNEE CELL INDEX: COMPANY A VS. COMPANY B



NATURALLY DEFINED CLUSTERS

CLUSTERS	COUNT OF CELLS	OCCURRENCES
C05,A05	2	18
C06,A06	2	18
A01,C01	2	16
A02,C02	2	14
A05,C05	2	14
A06,C06	2	14
B06,C06	2	10
C02,C05	2	10
C01,A01	2	8
C03,C05,C02	2	6
C02,C03	2	6
C05,C02	2	6
C06,B06	2	6
C04,A04,A06,C06	4	4
C06,A06,C05,A05	4	4

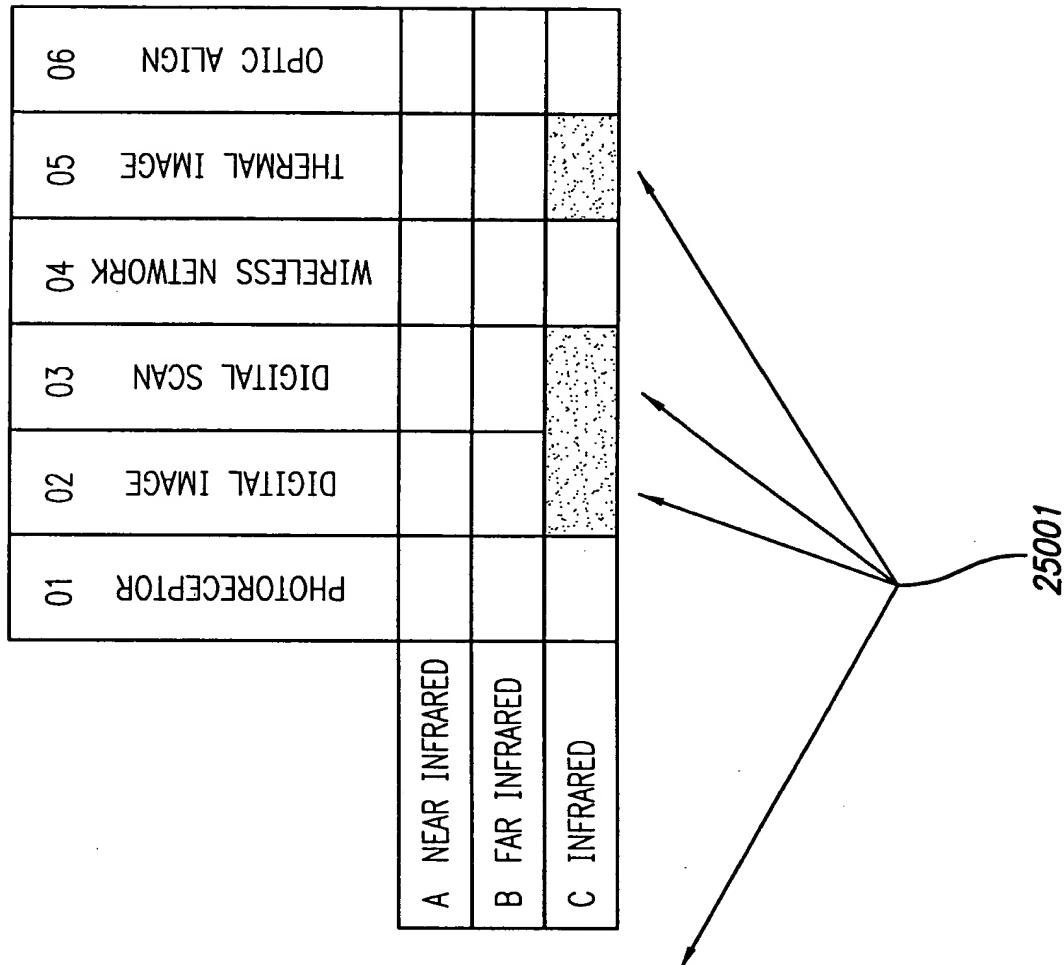


FIG. 25A

FIG. 25B

C02,C03,C05
EASTMAN KODAK
MINNESOTA MINING & MANUFACTURING
TEXAS INSTRUMENTS
UNITED STATES OF AMERICA
HUGHES ELECTRONICS
POLAROID
RAYTHEON
MATSUSHITA INDUSTRIAL ELECTRIC
US PHILIPS
HE HOLDINGS Dba HUGHES ELECTRONICS
HONEYWELL
AGFA-GEVAERT
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAIRNS & BROTHER
NEC
RAYTHEON TI SYSTEMS

FIG. 26

TOP INVENTORS
EASTMAN KODAK

CLUSTERS	HITS	PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
CHAPMAN, DEREK D.	10	10	11	4
DEBOER, CHARLES D.	8	8	9	5
EVANS, STEVEN	6	6	6	3
BURBERRY, MITCHELL S.	3	3	4	3
SCHILDKRAUT, JAY S.	2	2	3	4
TUTT, LEE W.	2	2	3	3
MOMOT, DAVID	2	2	2	3
BUGNER, DOUGLAS E.	2	1	2	4
BYER, GARY W.	2	1	2	6
KOLB, JR., FREDERICK J.	2	1	2	2
VOGEL, RICHARD M.	2	1	2	1
HARVEY, DONALD M.	1	1	3	4
DE GROOT, GERALD H.	1	1	2	5
MCLINTYRE, DALE F.	1	1	2	1
SIMPSON, WILLIAM H.	1	1	2	3
BLOOM, RICHARD M.	1	1	1	2

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FIG. 27

